

Title (en)

PROCESS FOR THE PREPARATION OF PHENYL PYRUVIC ACID

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Application

EP 86301269 A 19860221

Priority

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- JP 3319485 A 19850221

Abstract (en)

[origin: EP0195530A2] invention provides an improvement in the method for the preparation of phenyl pyruvic acid by the reaction of benzyl chloride and carbon monoxide in a liquid reaction medium in the presence of a cobalt carbonyl as the catalyst. In the inventive method, the reaction is performed in the presence of e.g. calcium hydroxide and the reaction medium is a binary system composed of water and an organic solvent capable of dissolving the catalyst and not freely miscible with water. The reaction can proceed even under normal pressure and the desired product can be readily recovered in the form of precipitates of the calcium salt while the catalyst dissolved in the organic phase after completion of the reaction can be recycled and re-used as such in the next run so that the costs for the catalyst regeneration in the prior art can be entirely saved.

IPC 1-7

C07C 51/10; **C07C 59/84**

IPC 8 full level

C07C 51/10 (2006.01)

CPC (source: EP US)

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C-Set (source: EP US)

C07C 51/10 + **C07C 59/84**

Citation (examination)

US 4152352 A 19790501 - PERRON ROBERT [FR]

Cited by

CN1049650C; EP0341099A1; FR2629816A1

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EP 0195530 A2 19860924; **EP 0195530 A3 19871104**; **EP 0195530 B1 19900912**; CA 1264766 A 19900123; DE 3674027 D1 19901018; US 4689431 A 19870825

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